

TOSHIBA

Satellite R20

Innovative widescreen notebook and Tablet PC in one.



Maximum uptime

- The newly designed chassis integrates Toshiba shock absorption technology and stronger internal components for enhanced data protection
- Toshiba **HDD protection technologies**, such as the 3D accelerometer and bumpers, offer better protection against the daily wear and tear of mobile use
- **LCD protection and a stronger display hinge** mean that the display is more resistant to pressure for more durable mobile performance

Integrated productivity technologies

- The **14.1" WXGA+ widescreen** display and Intel® 945GM Express chipset offer users crisp, clear **1,400 x 900** high-resolution images
- Enjoy breakthrough entertainment thanks to the Intel® Core™2 Duo Processor with its enhanced multitasking capabilities and future-proof 64-bit technology

- **Windows® XP Tablet PC Edition 2005** offers new, advanced handwriting and speech recognition capabilities that let users create, store and transmit handwritten notes and voice input
- Integrated DVD SuperMulti drive offers read and write capabilities for mobile entertainment and data backup

Advanced data protection

- The **Fingerprint Reader** with Single Sign-on support provides users with biometric security and simplified password management
- Reduce the risk of system failure or accidental data loss with the **spill-resistant Keyboard** which gives you ample time to save your data and shut down the system in the event of a spill
- Toshiba's **3-axis motion monitoring with movement alarm** reduces the risk of hard disk drive damage and data loss in the case of a fall, shock or vibration

Innovative, intuitive ways to work

- The **rotating display** and **Toshiba presentation button** make it easy to share information
- The high-resolution display and **digitizer function** enable users to quickly sketch ideas in an intuitive way that is like working with a pen and paper
- **Pen input and digital ink functionality** enable users to quickly review and annotate documents with handwritten comments or using handwriting recognition
- **Handwriting recognition** lets users take notes in **more than 30 languages** using the digital pen

Easy connectivity

- Integrated Wireless LAN 802.11a/b/g and Bluetooth® 2.0 with EDR
- Seamless LAN, WLAN and WWAN connectivity with Toshiba ConfigFree™ software
- Easy docking and less cable management with the new optional Express Port Replicator



Go online at:
computers.toshiba-europe.com

Find out more:
For further information please contact
your nearest Toshiba Authorised Reseller.



| Specifications Satellite R20 | |
|------------------------------|---|
| Model | Satellite R20-112 |
| Processor / Technology | Intel® Centrino® Duo Mobile Technology featuring Intel® Core™ 2 Duo Processor T5600 (2 MB Cache, 1.83 GHz, 667 MHz FSB), Intel® PRO/Wireless 3945ABG network connection and Intel® 945GM Express chip |
| Operating system | Microsoft® Windows® XP Tablet PC Edition 2005, Windows® Vista™ capable PC |
| Display | 14.1" WXGA+ TFT Wide Viewing Angle display with Digitizer function, resolution 1,400 x 900 |
| Hard disk | 80 GB (5,400 rpm), Serial ATA |
| System memory | 512 MB, maximum expandability: 4 GB, technology: DDR2 RAM (533 MHz) |
| Optical device | DVD Super Multi (Double Layer) drive |
| Graphics adapter | Intel® 945GM Express chipset with Intel® Graphics Media Accelerator 950, up to 128 MB VRAM |
| Pointing device | Touch Pad, Tablet Pen |
| Wired communication | Gigabit Ethernet LAN, international V.90 modem (V.92 ready) |
| Wireless communication | Wireless LAN (802.11a/b/g), Bluetooth® 2.0 with EDR (Enhanced Data Rate) |
| Sound system | Toshiba Bass Enhanced Sound System with SRS® TruSurround XT™ System and SRS® WOW, built-in stereo speakers, volume-dial |
| Interfaces | DC-in, external monitor, external microphone, expansion bus connector, RJ-11, RJ-45, 4x USB 2.0, TV-out (s-video), headphone (stereo), i.LINK® (IEEE1394), 5-in-1 Bridge Media slot (supports SD™ Cards, Memory Stick®, Memory Stick Pro™, MultiMedia Card™, xD-Picture Card™) |
| Expansions | Connection to Toshiba Express Port Replicator (optional), PC Card slot for 1x Type II card, 2 memory slots |
| Battery | Technology: lithium-ion, maximum life up to 4:03 hours (Mobile Mark™) |
| Bundled software | Microsoft® Office OneNote™ 2003, online user and modem manual, Toshiba Management Console, Toshiba ConfigFree™, Connectivity Doctor, Toshiba Summit, Sonic™ Record Now!, InterVideo® WinDVD, InterVideo® WinDVD Creator 2 Platinum, Toshiba Bluetooth® Monitor, Toshiba Bluetooth® Stack, Norton Internet Security™ 2006 (includes free Internet updates for 90 days), Toshiba utilities and drivers |
| Bundled hardware | AC adapter, Tablet Pen, reserve pen |
| Special features | Multimedia Bar with 5 Easy Keys (CD/DVD launcher, Play/Pause, Stop, Forward, Rewind), SM BIOS compliant, common docking and options with other Toshiba notebooks, Toshiba Enhanced SpeedStep, Toshiba Power Saver utility, Toshiba Presentation button, Toshiba Assist button, HD Audio supporting, Zooming utility, Windows® Security button, Rotation button, Cross Functional button, integrated microphone for VoIP, Screen Image Rotating utility, Diversity Antenna |
| Security features | BIOS password, HDD password on request, keyboard lock, main hard disk (by screw), main memory (by screw), supervisor password, system password security, user password, spill-resistant keyboard, HDD Protection (3-axis), Fingerprint Reader, Shock Protection Design, Durable Design, Magnesium Casework, PC Diagnostics, Wireless LAN Switch |
| Physical dimensions | W x L x H: 368 x 268 x 29,8 (front) / 36,9 (back) mm, weight: 2,9 kg |
| Warranty | 1-year international warranty. Upgrade your standard warranty with Toshiba warranty extension and uplift packs. Contact your nearest Toshiba Authorised Reseller for details. |

AC Adapter - 15 V DC, 5 A,
75 W (90 W peak), 3-pin
Art. No. PA3378E-3AC3

Battery - Li-Ion,
6 cell, 4700 mAh
Art. No. PA3191U-5BRS

Slice Expansion
Battery - Li-Ion,
6 cell, 4000 mAh
Art. No. PA3510U-1BRL

Toshiba Express
Port Replicator
Art. No. PA3508E-1PRP

Carry Case - Value Edition
Art. No. PX1181E-1NCA

Dealer stamp:

| Basic options Satellite R20 | PA number |
|---|----------------|
| Power | |
| AC Adapter - 15 V DC, 5 A, 75 W (90 W peak), 3-pin | PA3378E-3AC3 |
| Battery - Li-Ion, 6 cell, 4700 mAh | PA3191U-5BRS |
| Slice Expansion Battery - Li-Ion, 6 cell, 4000 mAh | PA3510U-1BRL |
| Battery Charger - 2 batteries supported | PA3091E-2CHG |
| Expansion | |
| 512 MB Memory PC2-4300 DDR2, 533 MHz | PA3412U-2M51 |
| 1,024 MB (1 GB) Memory PC2-4300 DDR2, 533 MHz | PA3411U-2M1G |
| Drives | |
| External USB FDD - 1.44 MB | PA3109E-3FDD |
| External DVD Super Multi Drive | PA3454U-1DV2 |
| Connectivity | |
| Toshiba Express Port Replicator | PA3508E-1PRP |
| Carry Cases | |
| Carry Case - Value Edition | PX1181E-1NCA |
| Desk-based | |
| Kensington MicroSaver | PX1172E-1NAC |
| USB Optical Mouse | PX1190E-1NAC |
| Tablet PC Pen | PA3316U-3ETC |
| Services | |
| International Warranty Extension | Contact Dealer |
| EMEA On-site Repair, Next Business Day Response Service | Contact Dealer |

CPU performance may vary from specifications under certain conditions such as the use of battery instead of AC power, certain external peripherals, certain multimedia applications or network connections, complex modeling software and in areas with low air pressure at high altitude (1,000 metres above sea level) and/or certain temperatures. CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer may automatically shut down as a normal protective measure. To avoid risk of lost data, please make periodic back-up copies. For optimum performance, use your computer only under recommended conditions. Please read detailed restrictions in the product resource guide, visit the Toshiba web site: computers.toshiba-europe.com and/or contact Toshiba Technical Support. • Graphics processor unit (GPU) performance may vary depending on product model, design configuration, applications, power management settings and features utilized. • Part of the main system memory may be used by the graphics system and therefore reduce the amount of main system memory available. • For PCs configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration. • For information about upgrading your system memory please refer to the user manual or contact your local Toshiba service provider. • One GB means one billion bytes, accessible capacity may be less. • Wired and wireless communication capabilities to be applied in countries where approved. • Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information that shipped with your computer or visit the Toshiba web site at computers.toshiba-europe.com. • Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. • Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. • SRS® TruSurround XT™ is only available for WinDVD applications. SRS® WOW™ is only available for Windows Media Player 9 in standard Windows interface. Please check your system specifications to ensure optimal results. • Microsoft® Office OneNote™ 2003 is not available in all countries. • Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your selected model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis. • Not all Windows Vista features are available for use on all Windows Vista Capable PCs. Check: www.windowsvista.com/getready for details.

Go online at:
computers.toshiba-europe.com

Find out more:
For further information please contact
your nearest Toshiba Authorised Reseller.